

مجلة الفيزياء العصرية

مجلة شهرية تصدر عن منتديات الموقع التعليمي للفيزياء

تقنية جديدة للكشف عن المتفجرات في الامتعة.

انطلاق صاروخ ناسا لدراسة الشفق الشمالي.

الرياح الشمسية واثرها على الارض.

ثقب الأوزون لن يلتئم قريباً.

كيف تكتب بحثاً قصيراً؟

ما وراء الطبيعة.

أبعاد الأرض.



العدد الثاني
2007

مجلة الفيزياء العصرية



مجلة شهرية تصدر عن منتديات الموقع التعليمي للفيزياء www.hazemsakeek.com/vb

العدد 2007/2

محتويات المجلة

اقرأ في هذا العدد



مجلة الفيزياء المعاصرة

تصدر عن

منتديات

الموقع التعليمي للفيزياء

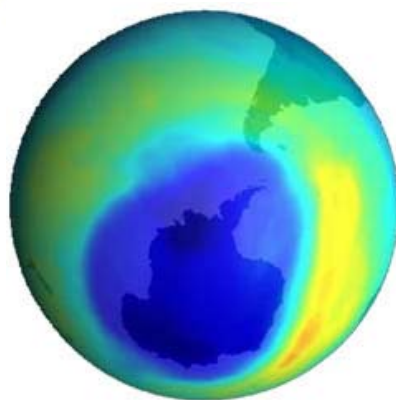
www.hazemsakeek.com/vb

كلمة العدد



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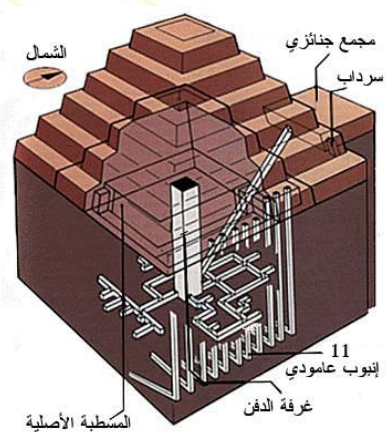
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Superconductor Science and Technology
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Hideo Itozaki

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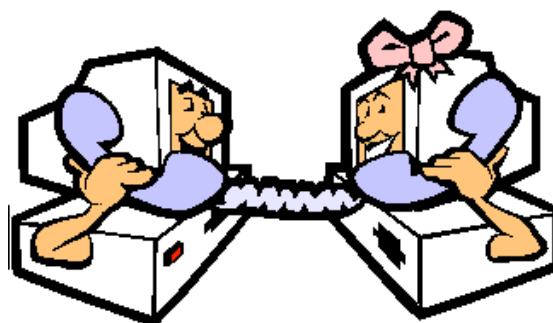
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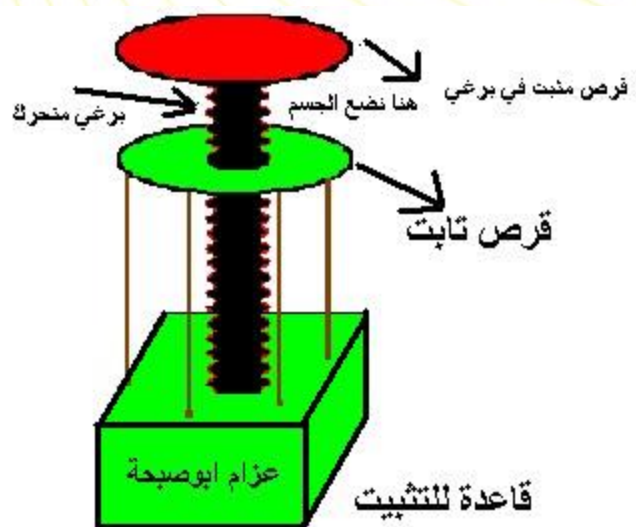
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أسئلة وأجوبة في الفيزياء

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(Master Thesis)

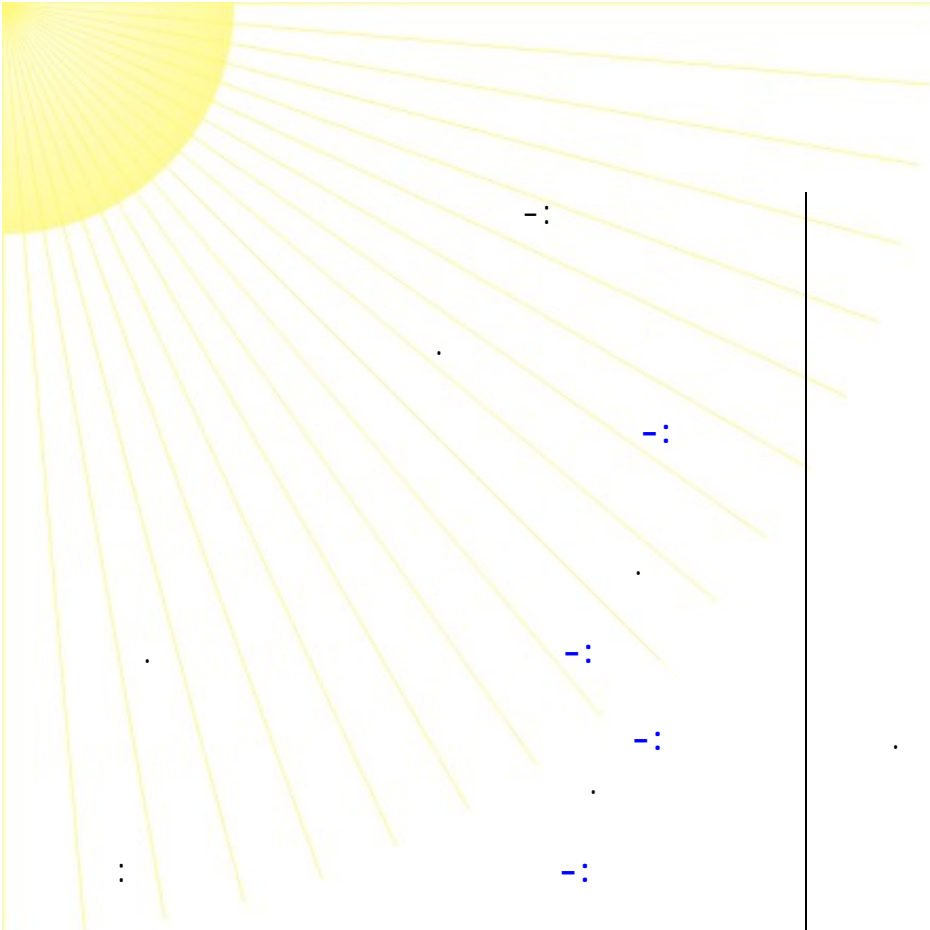
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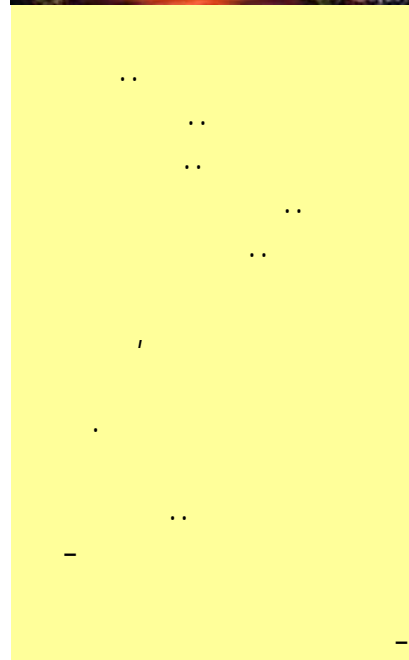
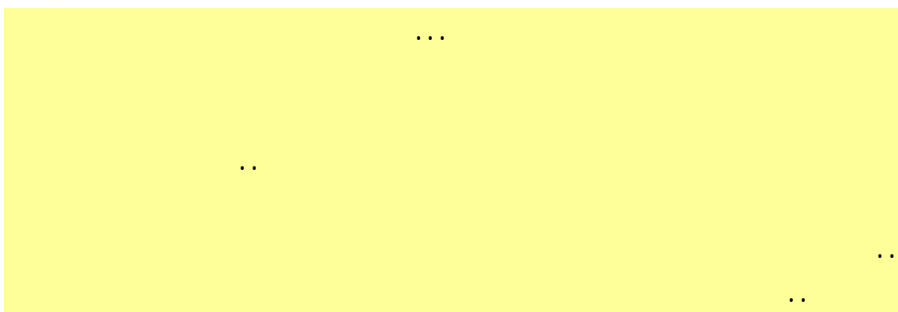
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:Telepathie



:Telekinesis

:Clair-audiance

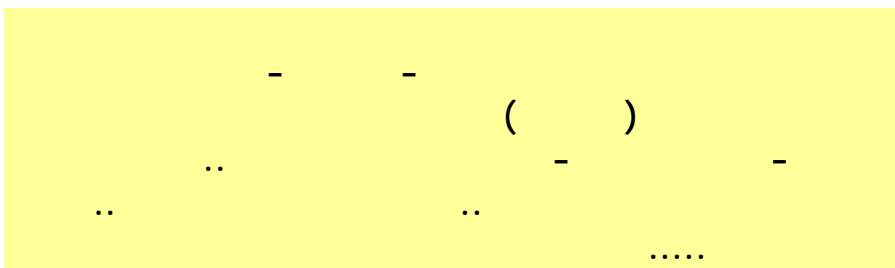
:Clairvoyance

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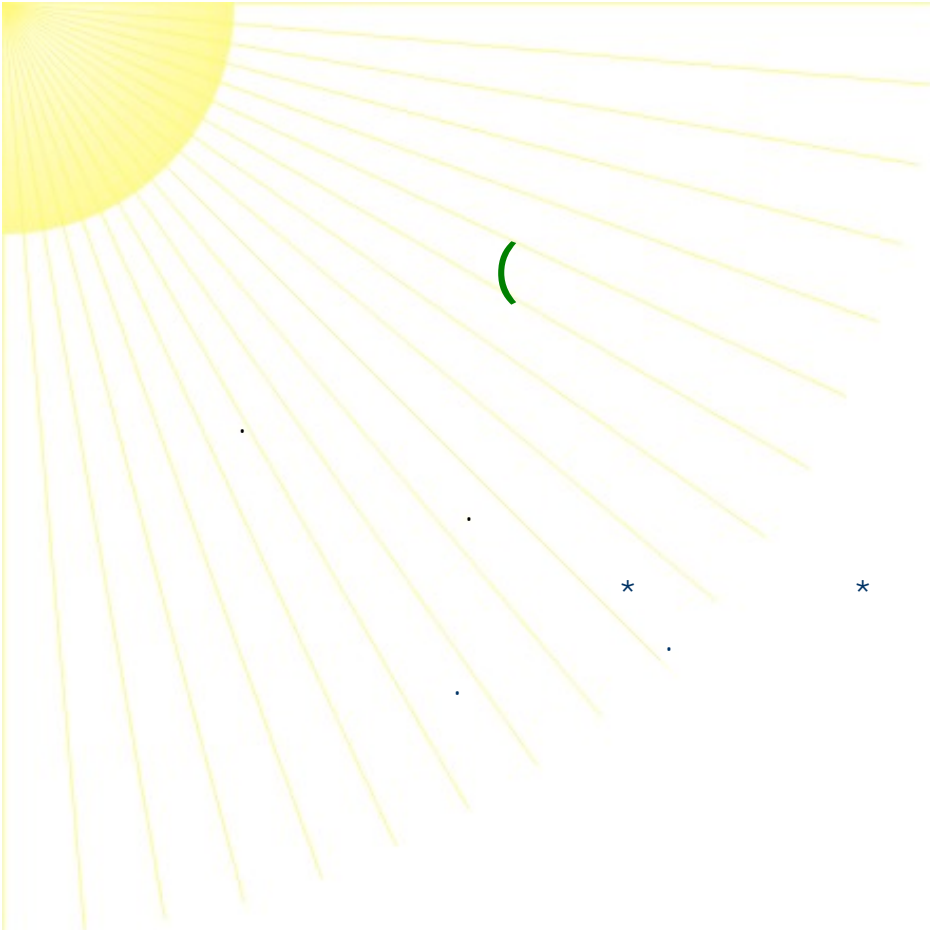
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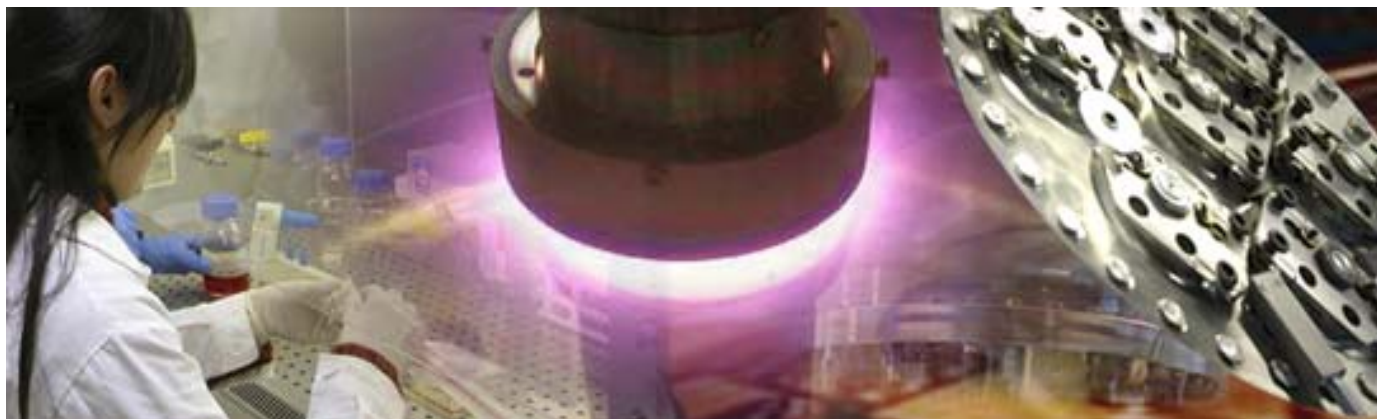
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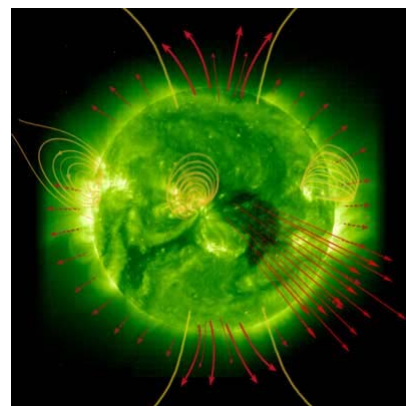
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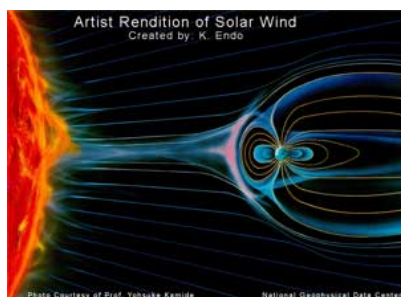
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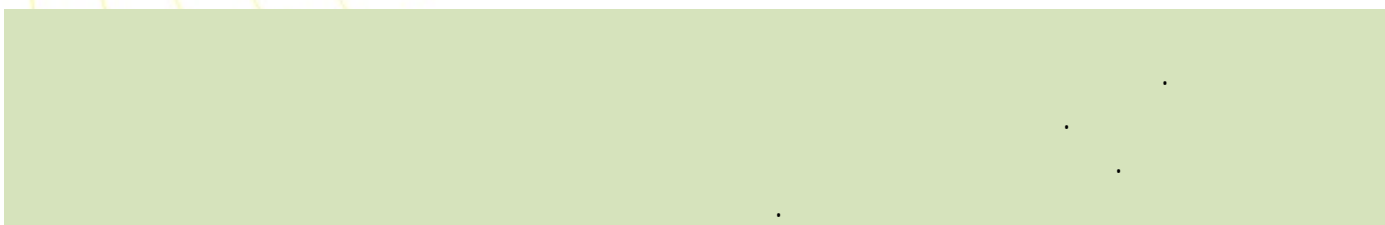
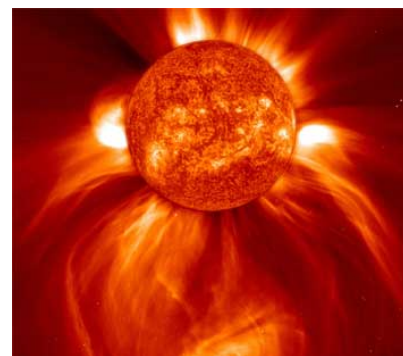
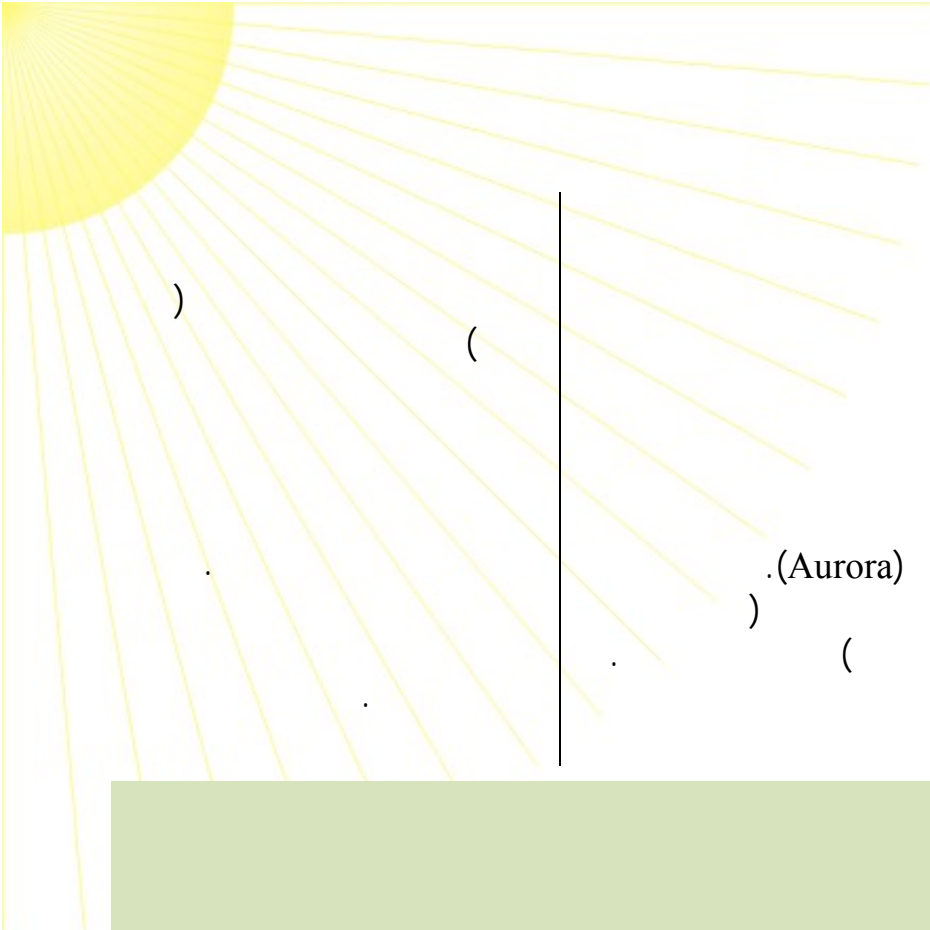
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Astronomy From the Earth to the Universe. Pasachoff, 1991.
Exploration of the Universe. Abell, 1982.
Astronomy: The Cosmic Journey. W Hartmann, 1987

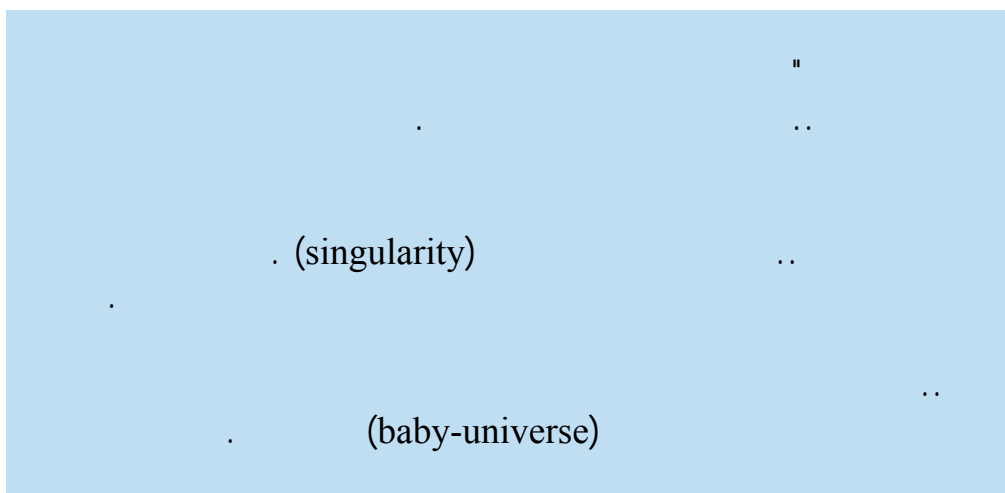
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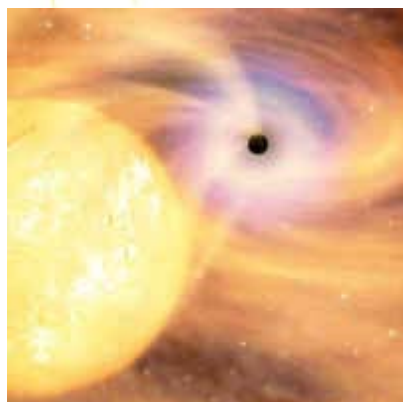
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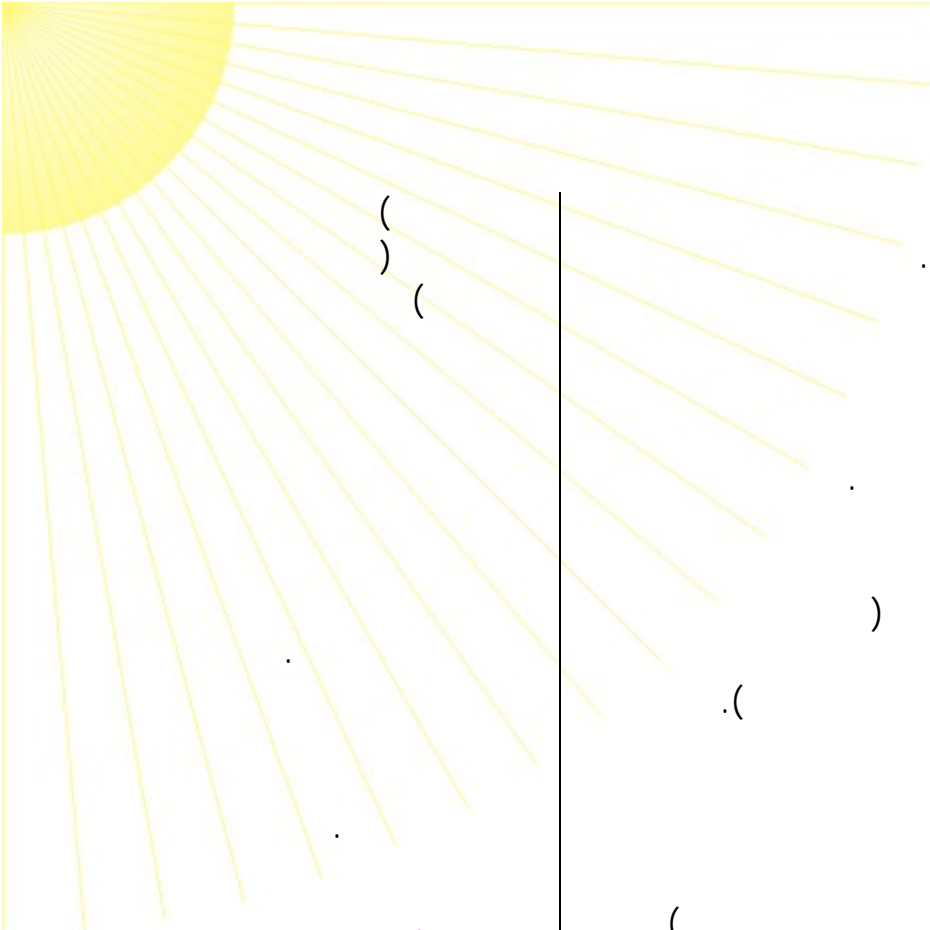
1970

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" (stringy stars) "

" string theories) "
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(quantum physics)

A large, detailed image of a spiral galaxy, likely the Milky Way, showing its central bulge and prominent spiral arms. The galaxy is oriented diagonally across the frame. The central region is a bright, dense, yellowish-white oval. From this center, several spiral arms emerge, composed of numerous smaller, bright yellow and white stars. The background is a deep black, sparsely populated with other distant stars.



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Classic :

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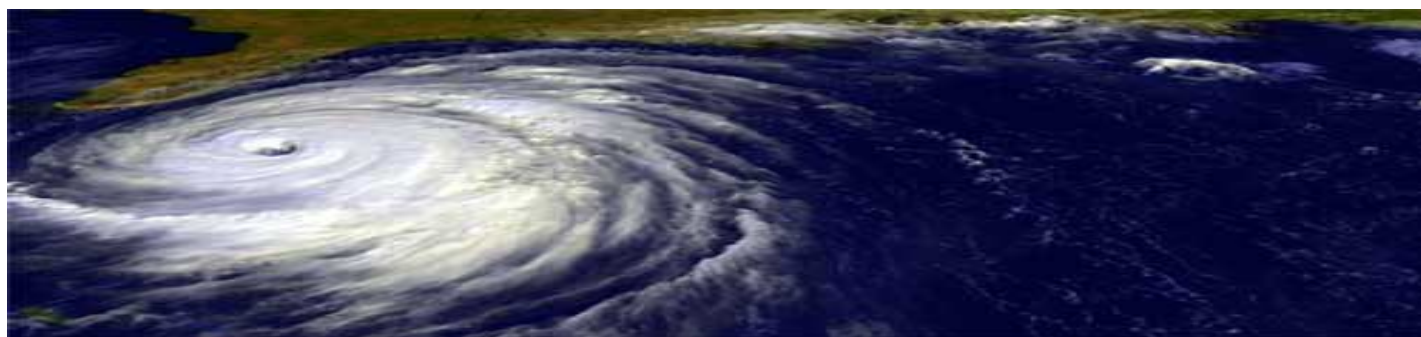
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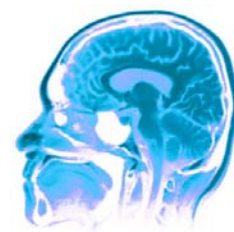
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gauss

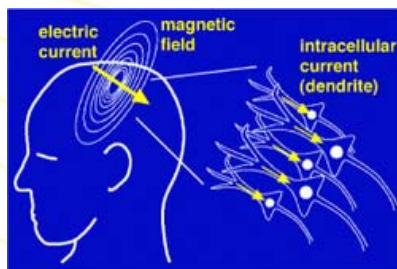
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Roentgen



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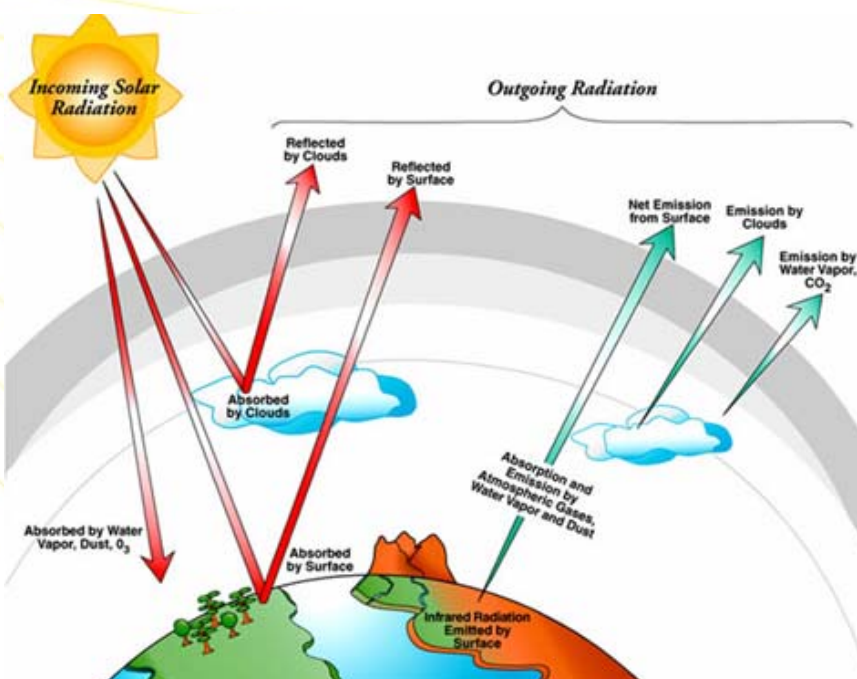
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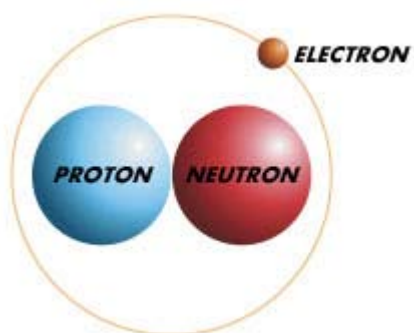
/ 21

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Classic :

Light water	H2O
	Heavy water

Heavy water (enriched)
(D_2O)



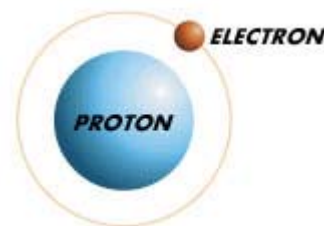
6760

M=20

M=18

H_2O

-1 (Protium)
-2 (deuterium)
-3 (tritium)



%99.985
%0.015
 17^{10}

(Protium)
(deuterium)
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1931

(Harold Clayton Urey)

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1933
(Lewis and Donald)

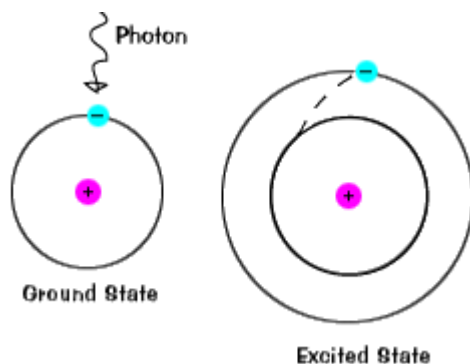
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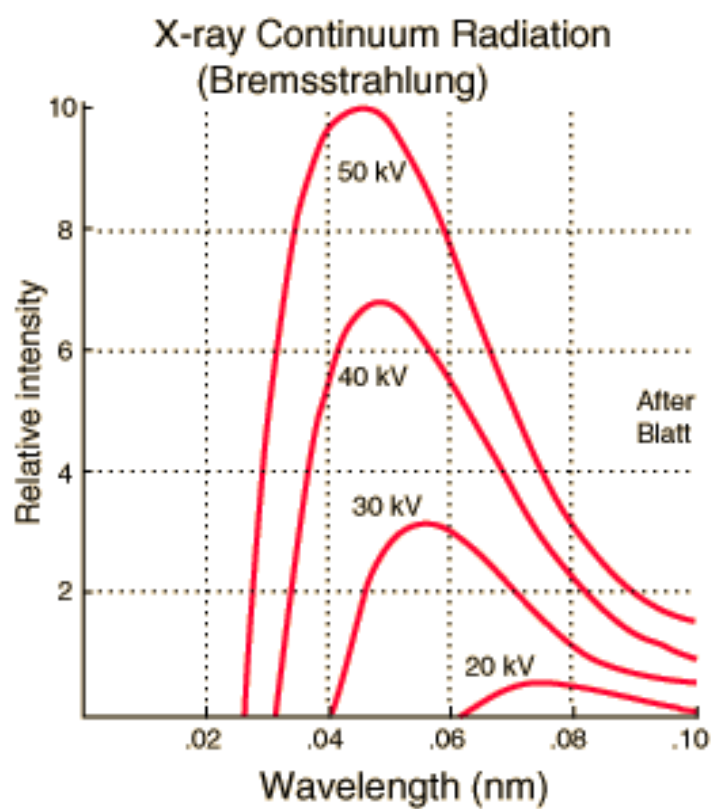
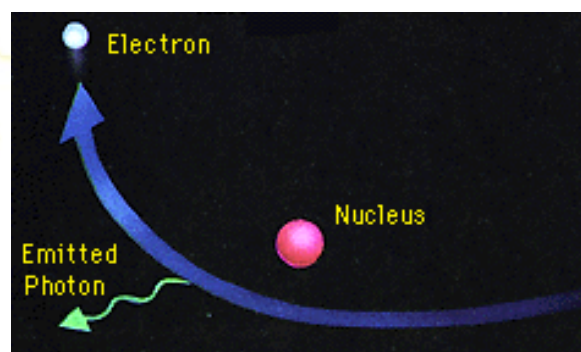
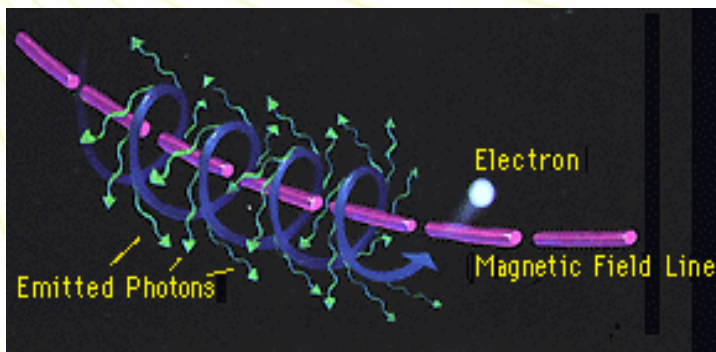
Bremsstrahlung

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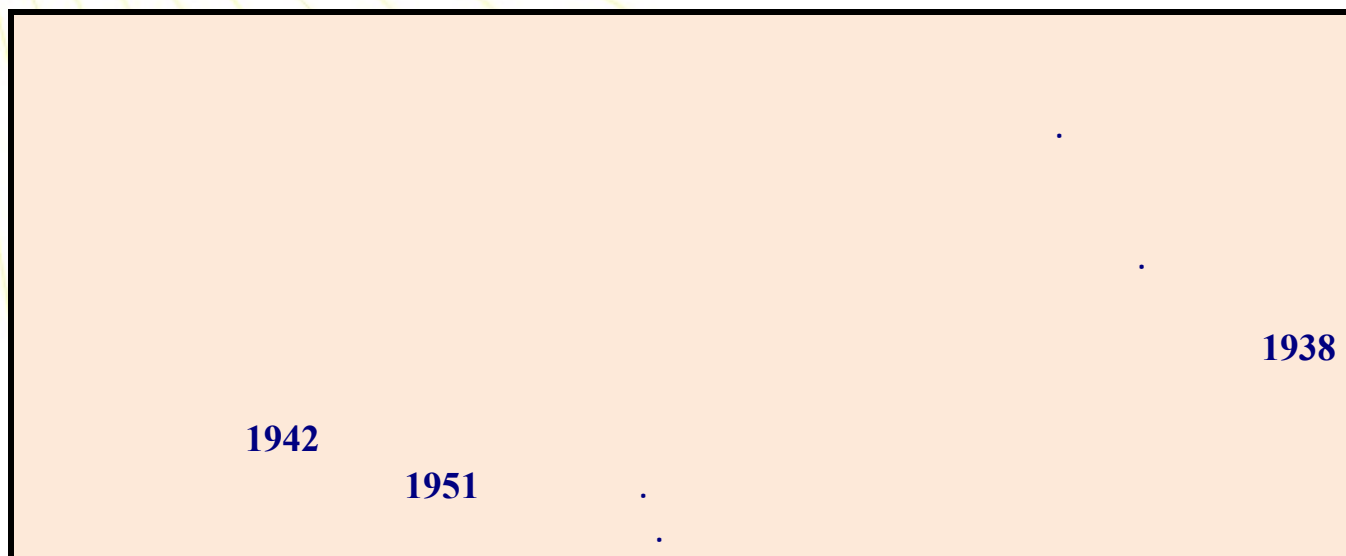
Braking Radiation

Bremsstrahlung

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Bremsstrahlung



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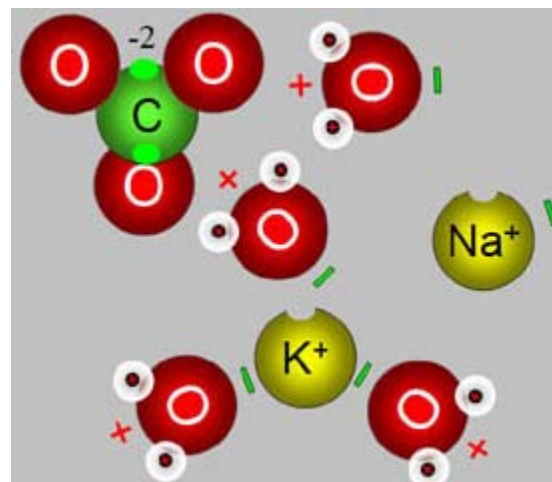
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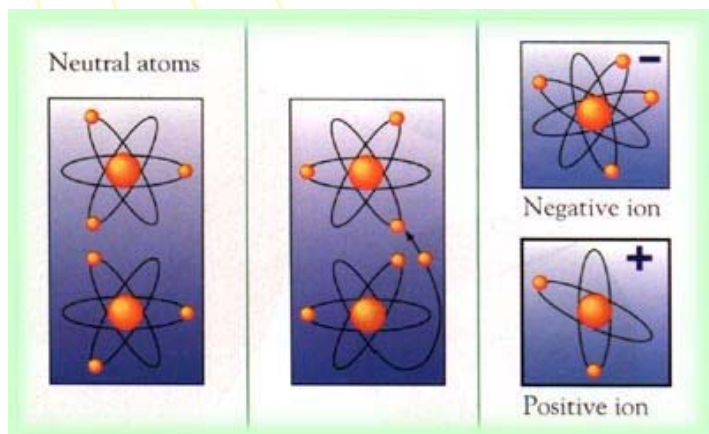
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4PO³⁻, 3SO²⁻, 4SO²⁻, 2NO⁻, 3NO⁻, 3CO²⁻



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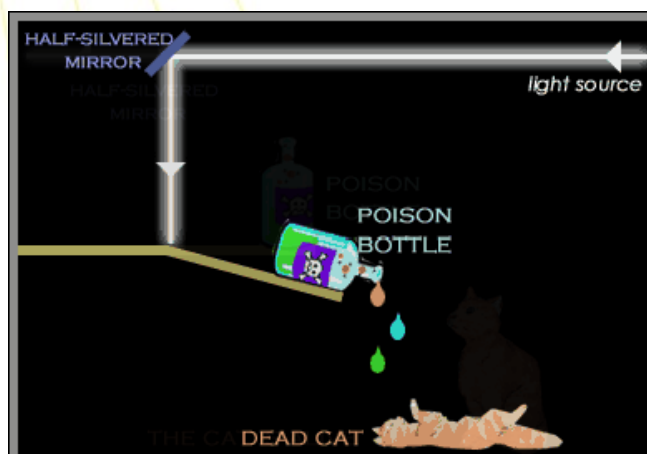
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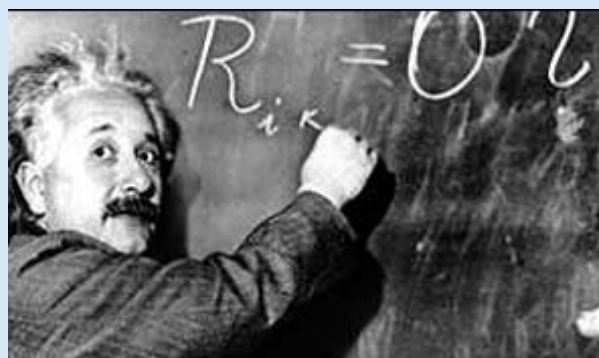
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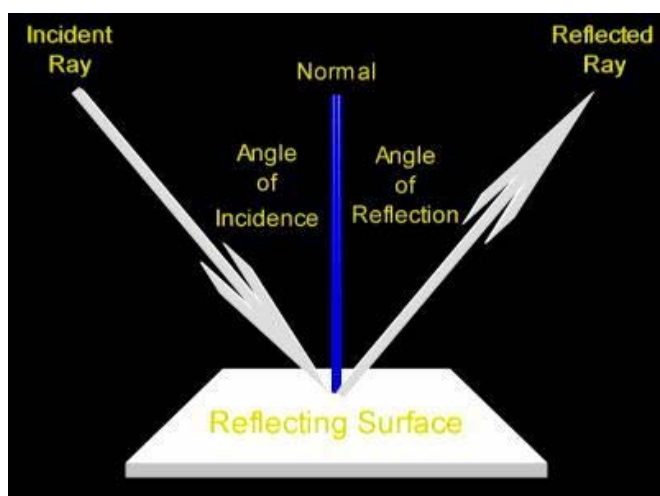


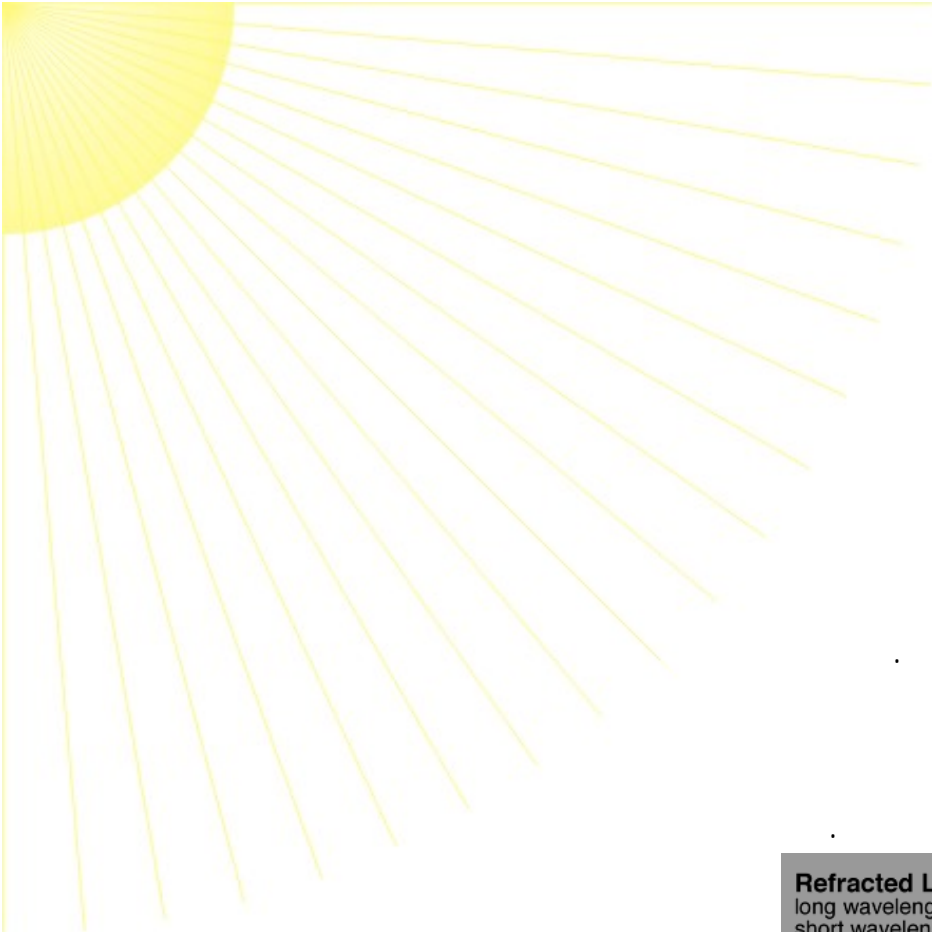
1933

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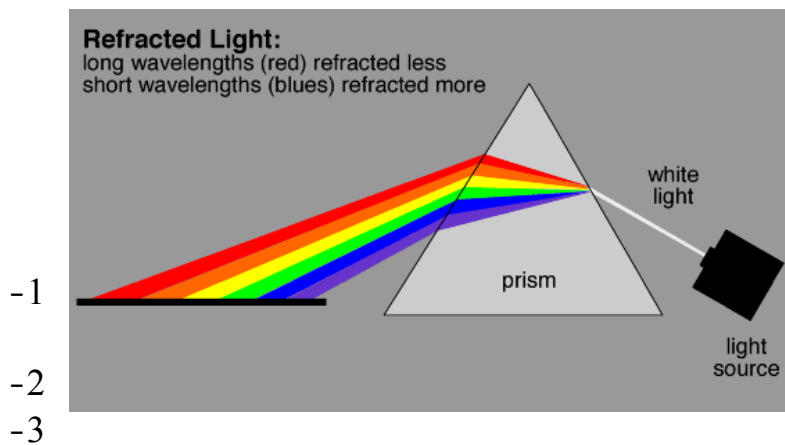
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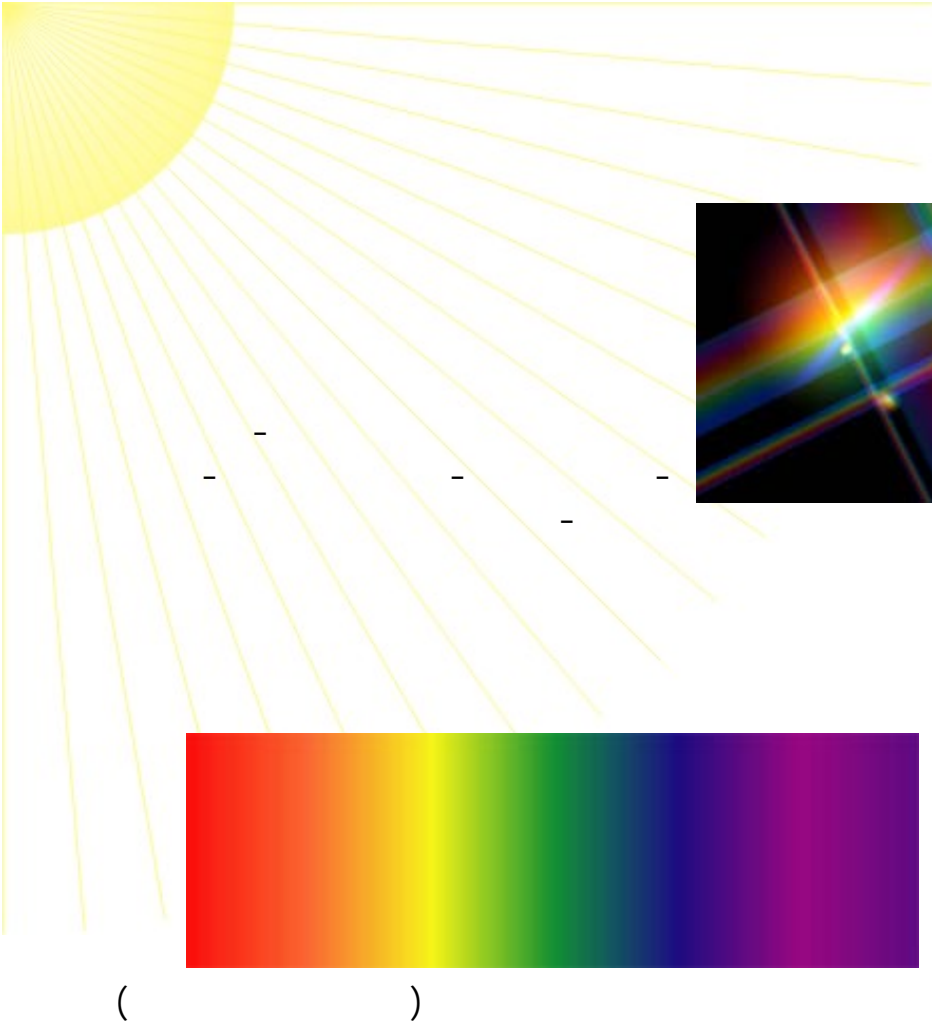
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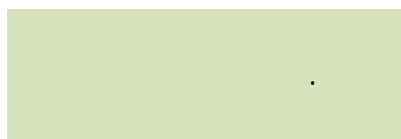
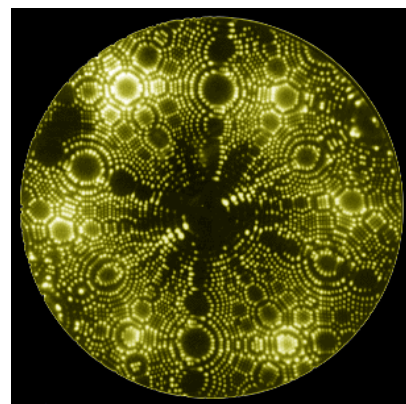


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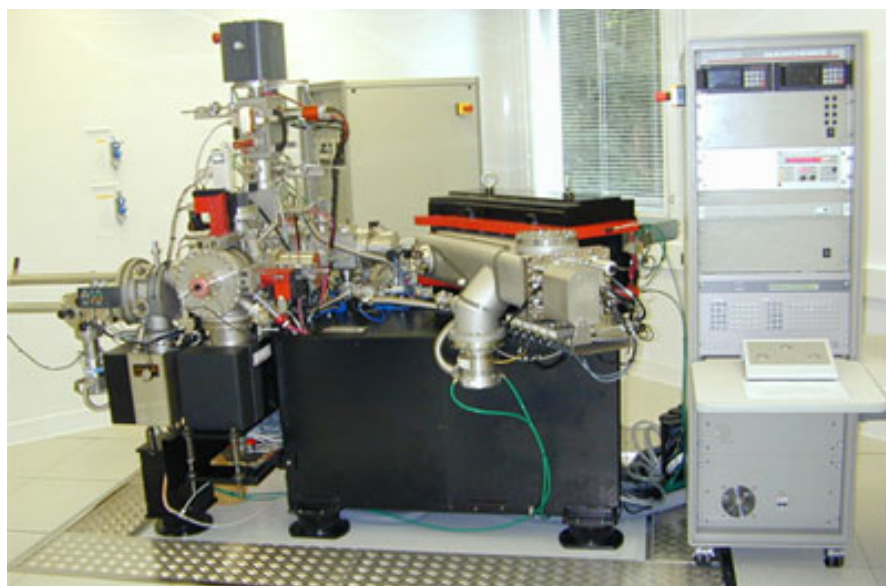
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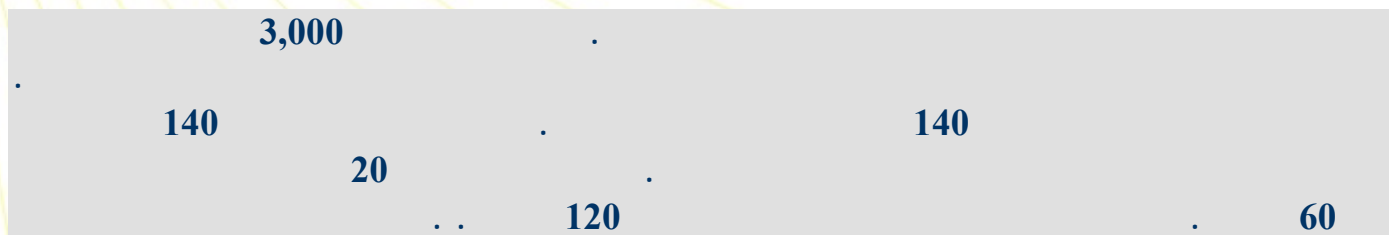
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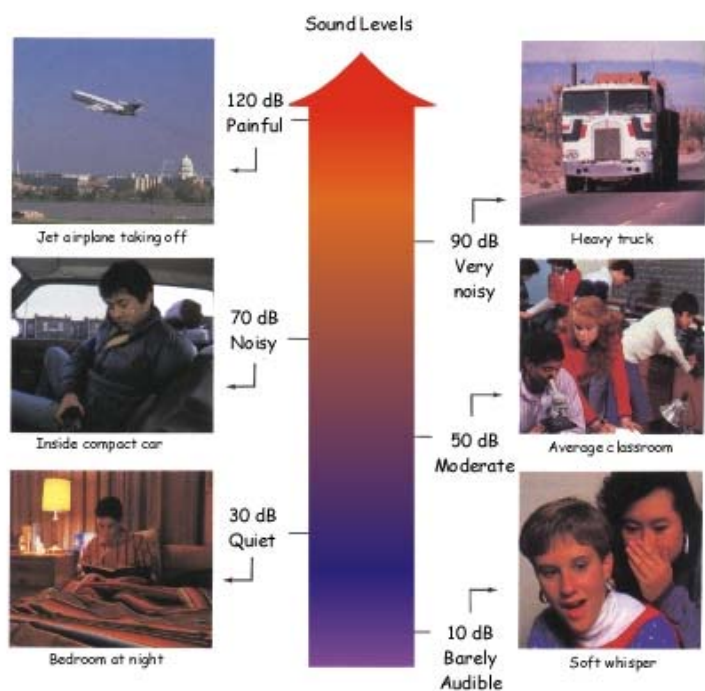
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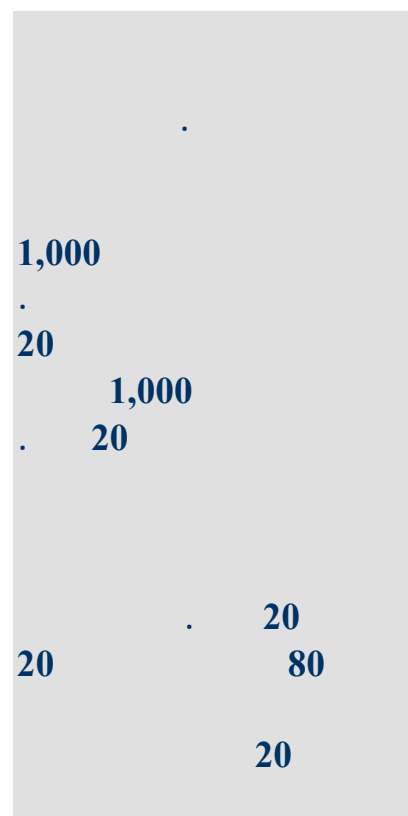
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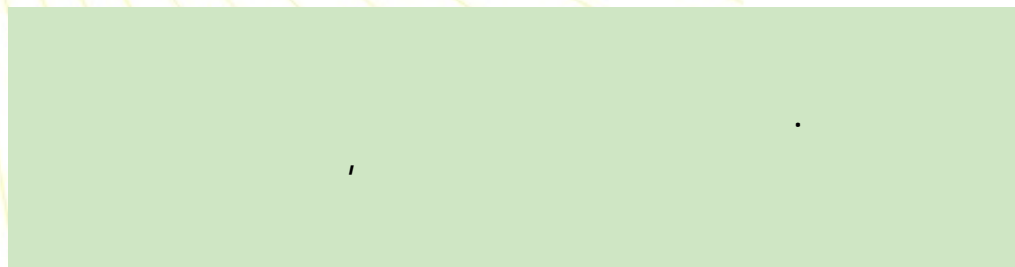


المعيار بالديسيبل	الصوت
20/10 ديسيبل	الهمس
40/30 ديسيبل	الموسيقى الهادئة
70/60 ديسيبل	الشوارع المزدحمة
80/70 ديسيبل	سيارة صغيرة
90/80 ديسيبل	سيارة شحن
100/90 ديسيبل	قطار الأنفاق
130/110 ديسيبل	طائرة عند الإقلاع
120 أو أكثر ديسيبل	حد الألم



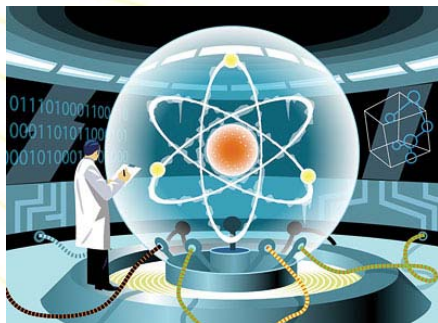
Decibel scale showing the intensity level of some familiar sounds.





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<http://www.hazemsakeek.com/vb/showthread.php?t=1827>



لست وحدك يا شرودنجر

Non relativistic
Relativistic



Paul Dirac

spin= 1/2

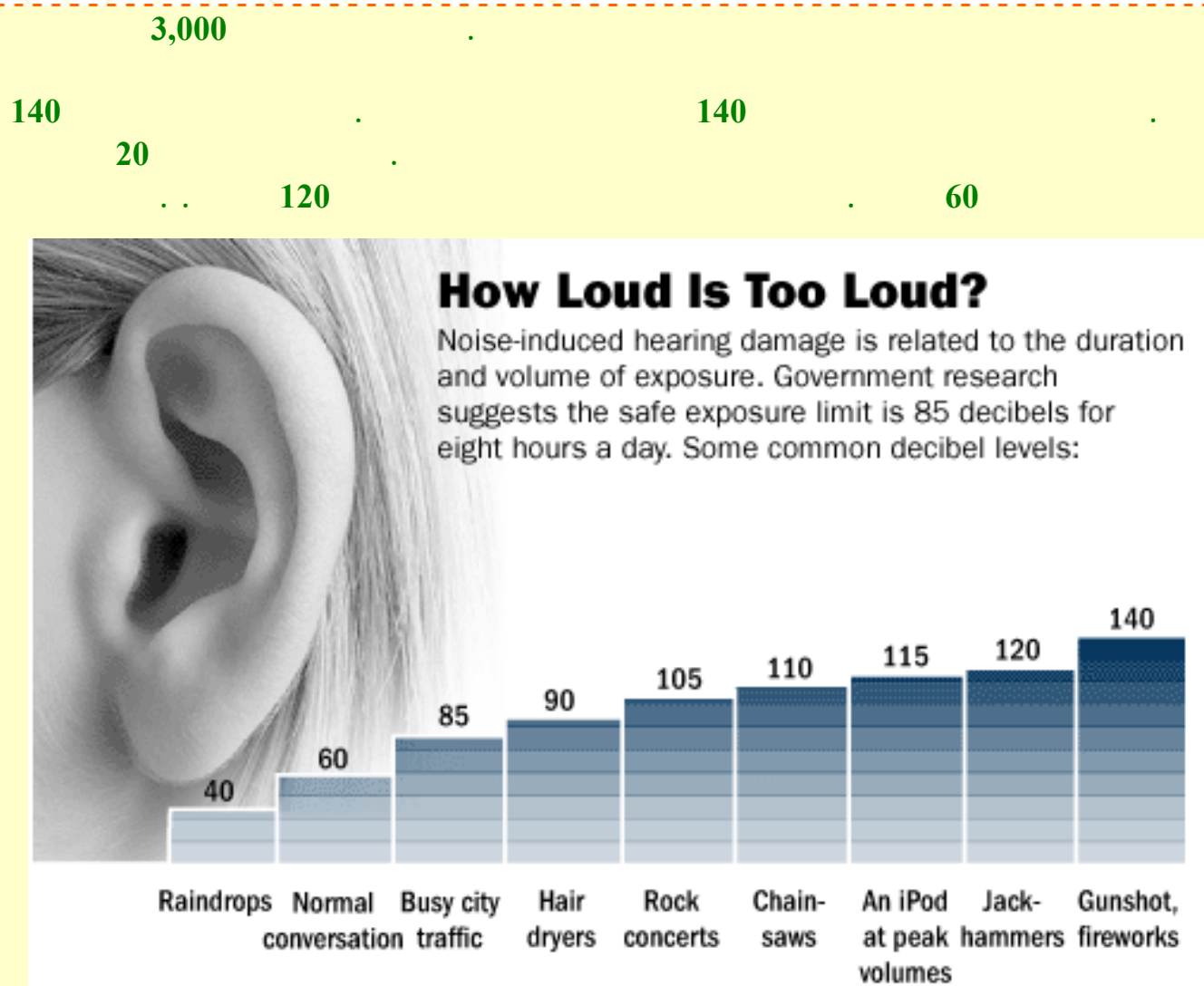
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hole theory

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spin = 0





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Encyclopedia of Physical Science and Technology, 3rd Edition, 18 volume set

ISBN: 0122274105

Author: Robert A. Meyers

Publisher: Academic Press

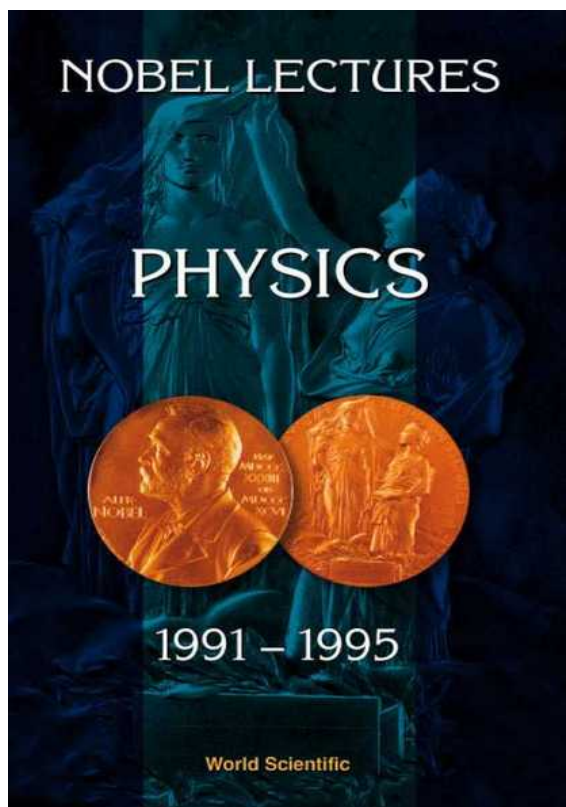
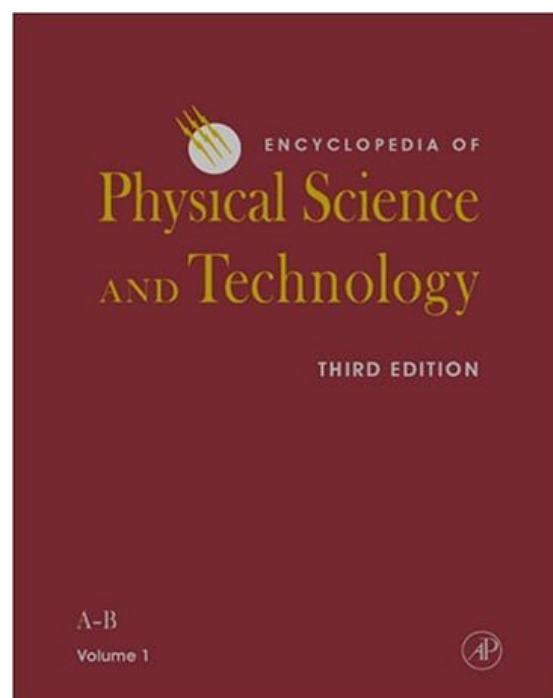
Edition: 3 edition (October 1, 2001)

Number Of Pages: 14800 pages

<http://www.amazon.com/exec/obidos/redirect?tag=songstech-20&path=ASIN%2F0122274105>

Editorial Description

Nine years has passed since the 1992 second edition of the encyclopedia was published. This completely revised third edition, which is a university and professional level compendium of chemistry, molecular biology, mathematics, and engineering, is refreshed with numerous articles about current research in these fields. For example, the new edition has an increased emphasis on information processing and biotechnology, reflecting the rapid growth of these areas. The continuing Editor-in-Chief, Ro



Physics 1991-1995 (Nobel Lectures)

Number Of Pages: 221

Publication Date: 1997-05

ISBN / ASIN: 9810226772

EAN: 9789810226770

<http://www.amazon.com/exec/obidos/ASIN/9810226772/ebooksclub-20/>

Classical Mechanics

3rd Edition Author : Herbert Goldstein

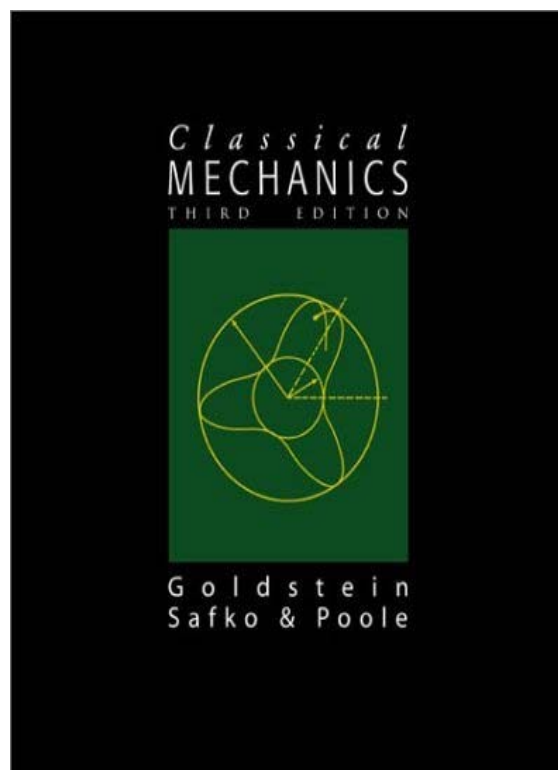
Publisher: Addison Wesley

Publication Date: 2002-01-15

Number Of Pages: 680

Editorial Description

For thirty years this has been the acknowledged standard in advanced classical mechanics courses. This classic book enables readers to make connections between classical and modern physics - an indispensable part of a physicist's education. In this new edition, Beams Medal winner Charles Poole and John Safko have updated the book to include the latest topics, applications, and notation, to reflect today's physics curriculum. They introduce readers to the increasingly important role that nonlin



PHYSICS THROUGH THE 1990s



Nuclear Physics

Publisher: National Academy Press

Number Of Pages: 224

Publication Date: 1986-04

ISBN / ASIN: 0309035473

EAN: 9780309035477

Theoretical atomic physics

Publisher: Springer-Verlag

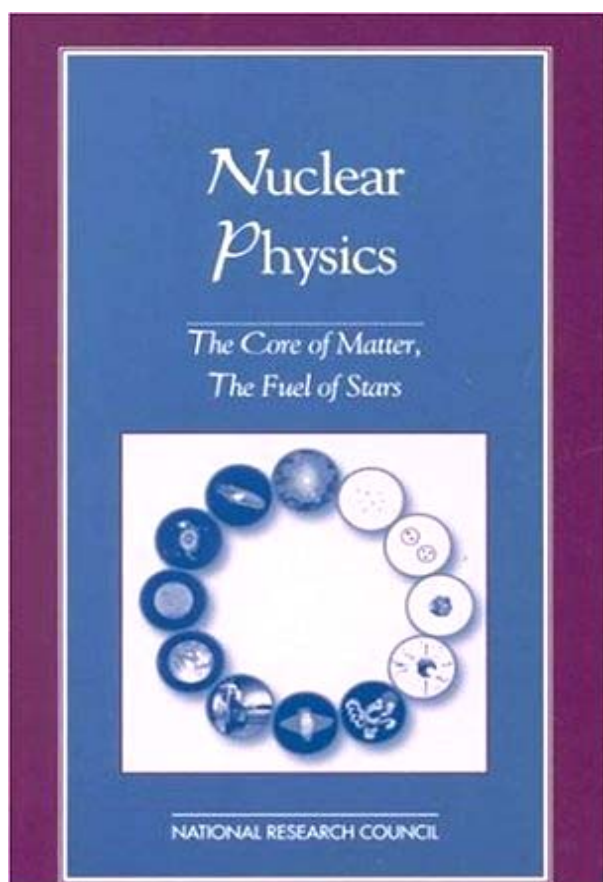
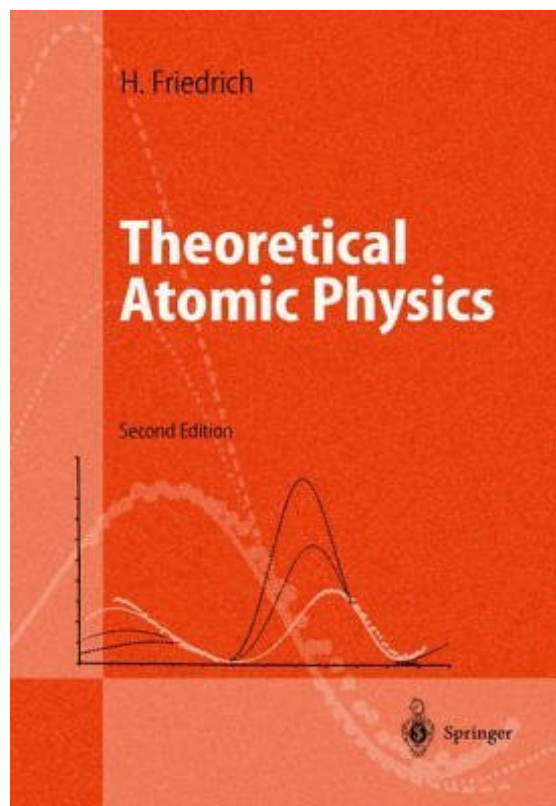
Number Of Pages: 316

Publication Date: 1991-10

ISBN / ASIN: 3540541799

EAN: 9783540541790

<http://www.amazon.com/exec/obidos/ASIN/3540541799/ebooksclub-20/>



Nuclear Physics

Publisher: National Academies Press

Number Of Pages: 206

Publication Date: 1999-05-15

ISBN / ASIN: 0309062764

EAN: 9780309062763

<http://www.amazon.com/exec/obidos/ASIN/0309062764/ebooksclub-20/>



Quantum Mechanics

Author: Claude Cohen-Tannoudji

Publisher: Wiley-Interscience

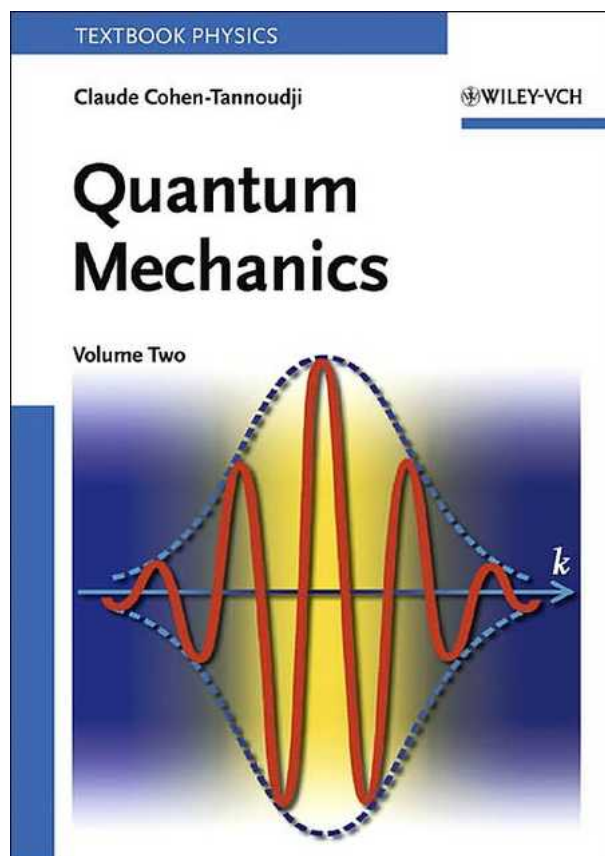
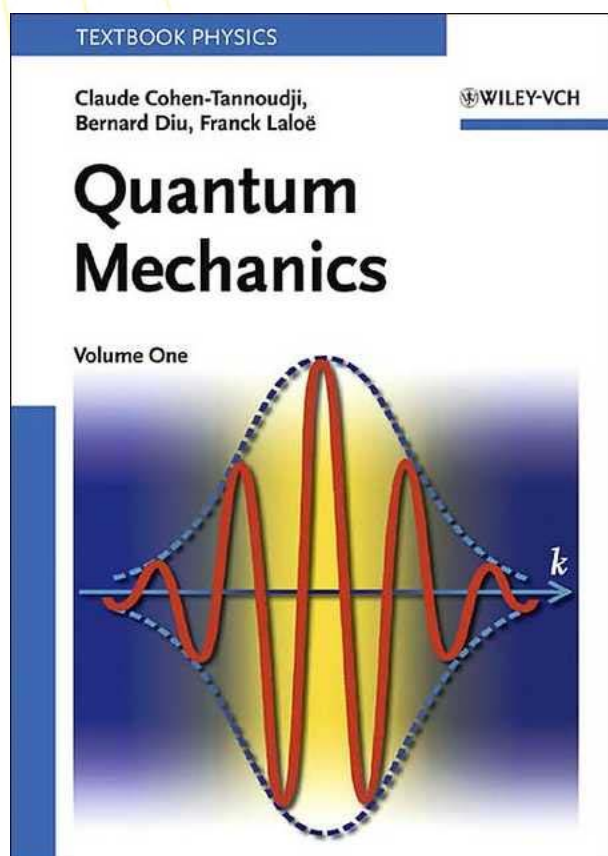
Publication Date: 2006-10-06

Number Of Pages: 1524

<http://www.amazon.com/exec/obidos/ASIN/0471569526/ebooksclub-20>

Book Description

This didactically unrivalled textbook and timeless reference by Nobel Prize Laureate Claude Cohen-Tannoudji separates essential underlying principles of quantum mechanics from specific applications and practical examples and deals with each of them in a different section. Chapters emphasize principles; complementary sections supply applications. The book provides a qualitative introduction to quantum mechanical ideas; a systematic, complete and elaborate presentation of all the mathematical too



Fundamentals of Quantum Mechanics: For Solid State Electronics and Optics

Publisher: Cambridge University Press

Number Of Pages: 220

Publication Date: 2005-07-25

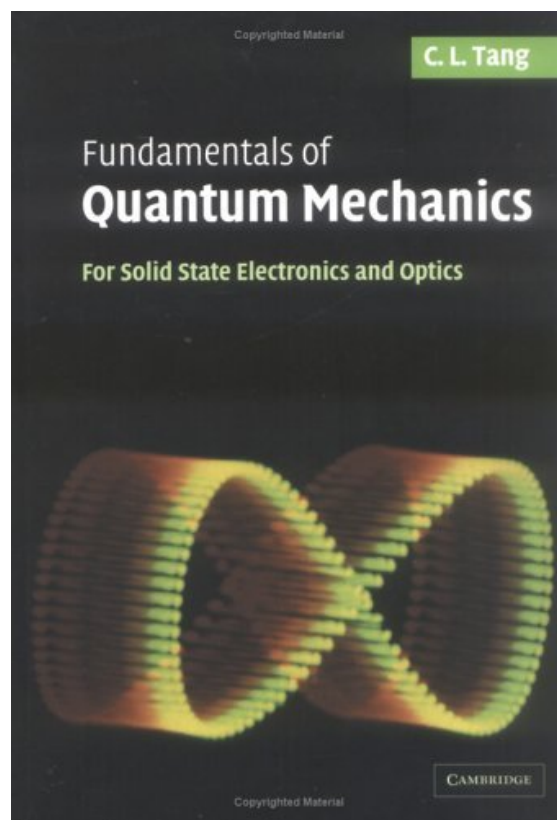
ISBN / ASIN: 0521829526

EAN: 9780521829526

<http://www.amazon.com/exec/obidos/ASIN/0521829526/ebooksclub-20>

Book Description

Quantum mechanics has evolved from a subject of study in pure physics to one with a wide range of applications in many diverse fields. The basic concepts of quantum mechanics are explained in this book in a concise and easy-to-read manner emphasizing applications in solid state electronics and modern optics. Following a logical sequence, the book is focused on the key ideas and is conceptually and mathematically self-contained. The fundamental principles of quantum mechanics are illustrated by showing their application to systems such as the hydrogen atom, multi-electron ions and atoms, the formation of simple organic molecules and crystalline solids of practical importance



Principles of Quantum Mechanics

SECOND EDITION

R. Shankar

Principles of Quantum Mechanics

Author: R. Shankar

Publisher: Springer

Publication Date: 1994-09-01

Number Of Pages: 694

Average Amazon Rating: 4.5

Editorial Description

Reviews from the First Edition: "An excellent text ... The postulates of quantum mechanics and the mathematical underpinnings are discussed in a clear, succinct manner." (American Scientist) "No matter how gently one introduces students to the concept of Dirac's bras and kets, many are turned off. Shankar attacks the problem head-on in the first chapter, and in a very informal style suggests that there is nothing to be frightened of." (Physics Bulletin) Reviews of the Second Edition

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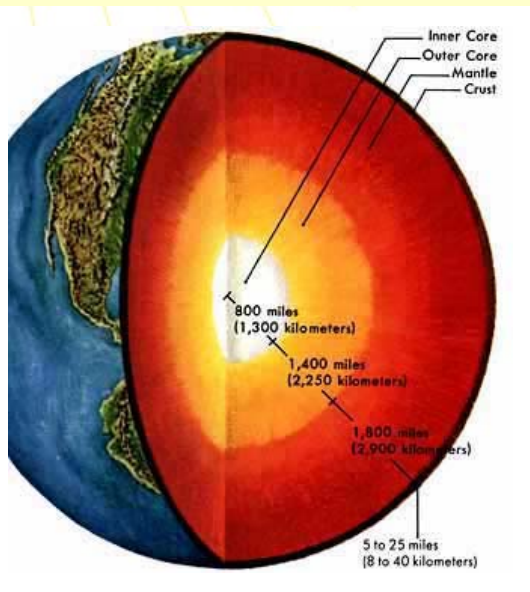
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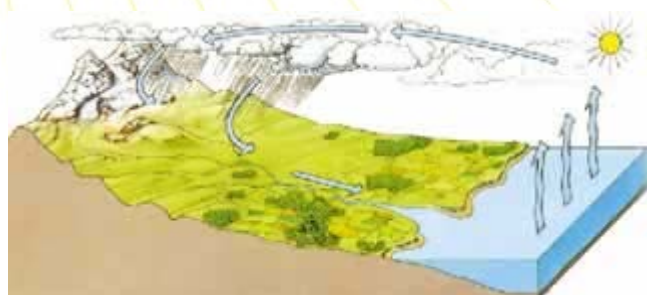
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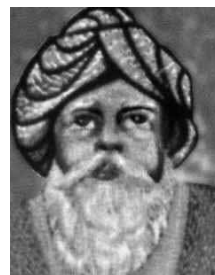
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